



DEPARTMENT OF THE AIR FORCE  
WASHINGTON, DC

26 JAN 1999

MEMORANDUM FOR ALMAJCOM/CEV  
HQ USAFA/CEV

FROM: HQ USAF/ILEV  
1260 Air Force Pentagon  
Washington, DC 20330-1260

SUBJECT: Non-Hazardous Solid Waste Diversion Rate Measure of Merit (MoM)

References: (a) New DoD Pollution Prevention Measures of Merit (MoM), 6 Aug 98

(b) DUSD(ES) Pollution Prevention Measures of Merit (MoM), 13 May 98

The purpose of this memorandum is to provide Air Force policy on the new Pollution Prevention Non-Hazardous Solid Waste Diversion Rate MoM. The attached guidance defines Air Force Non-Hazardous Solid Waste Diversion Rate goals and highlights MAJCOM/Installation reporting instructions. This policy replaces the Non-Hazardous Solid Waste Disposal and Non-Hazardous Solid Waste Recycling MoM previously required under DoD Instruction 4715.4, *Pollution Prevention*.

If the members of your staff have any questions, please have them contact our POC, Capt Dwayne Thomas, AF/ILEVQ, DSN 664-0649, e-mail: [dwayne.thomas@pentagon.af.mil](mailto:dwayne.thomas@pentagon.af.mil).

A handwritten signature in black ink, reading "Teresa R. Pohlman", is positioned above the typed name.

TERESA R. POHLMAN  
Chief, Environmental Division  
DCS/Installations & Logistics

Attachment:  
Air Force Policy Guidance w/ Sample Reporting Worksheet

cc:  
HQ AFCEE/CC/EQ

**Air Force Policy on DoD Non-Hazardous Solid Waste Diversion  
Measure of Merit (MoM)**

**1. Diversion Rate Definition.** Non-Hazardous Solid Waste Diversion Rate MoM is *"By the end of FY2005, ensure the diversion rate for non-hazardous solid waste is greater than 40 percent, while ensuring integrated non-hazardous solid waste management programs provide an economic benefit when compared with disposal using landfilling and incineration alone."*

**2. AIR FORCE GOALS:** As indicated in the DUSD(ES) 13 May 98 memo, the purpose of the new MoM is to achieve the maximum possible economically viable non-hazardous solid waste diversion rate. While our goal is for all MAJCOMs and installations to achieve a diversion rate of at least 40 percent by FY 2005, this must be accomplished while achieving an economic benefit (i.e. total integrated solid waste management program costs must be less than or equal to the equivalent cost of landfilling or incineration). We encourage MAJCOMs/Installations to evaluate their existing programs, develop methodologies to accomplish the measure of merit, and consider long-term economics of diversion rate investments. The following outlines Air Force diversion rate goals by fiscal year and establishes when Air Force non-hazardous solid waste programs should break even and show an economic benefit.

FISCAL YEAR	DIVERSION RATE (PERCENTAGE)	ECONOMIC BENEFIT
1999	15	*N/A
2000	20	N/A
2001	25	N/A
2002	30	N/A
2003	35	N/A
2004	40	BREAK EVEN PERIOD
2005	40	ECONOMIC BENEFIT

\* Economic benefit glide path guidance will follow at the end of FY99.

**3. Construction and Demolition Debris:** The new MoM includes construction debris within total yearly non-hazardous solid waste calculations. MAJCOMs/Installations are encouraged to meet this challenge aggressively with new approaches and methods. Future construction contracts must include non-hazardous solid waste reporting requirements. We encourage installations to find innovative methods to promote cost-effective non-hazardous solid waste diversion within construction contracts. MAJCOM cross-feeds and AFCEE/EQ are excellent resources to begin working construction and demolition debris into existing and future contracts.

**Air Force Reporting Requirements**  
**Non-Hazardous Solid Waste Diversion Rate Measure of Merit (MoM)**

**1. Definitions:** See referenced DUSD(ES) package for sample calculations and definitions of the variables: R, L, I,  $R_C$ ,  $L_C$ , PDC, and ADC.

**2. Applicability:** Detailed reporting requirements apply to all Air Force installations. Although the DUSD (ES) memorandum stipulates installations generating less than one ton of solid waste per day are exempt from the reporting requirements, all Air Force installations are required to report non-hazardous solid waste using the new diversion rate.

**3. Waste-to-Energy Incineration.** MAJCOMs/Installations that have waste-to-energy incineration projects must report the percentage disposed.

**4. Reporting Requirements:** The following information will need to be tracked and reported on a quarterly basis to AF/ILEV with a courtesy copy to AFCEE/EQ.

**MAJCOM reports should be installation-specific with totals annotated for the command. The following information is required (See sample worksheet):**

- R (tons) - Amount of non-hazardous solid waste diverted (listed separately)
  - Composted
  - Mulched
  - Recycled
  - Reused
  - Donated
- L (tons) - Amount of non-hazardous solid waste sent to disposal facilities
- $(R/(R+L)) \times 100$  (percent) - Diversion Rate
- I (tons) - Amount of non-hazardous solid waste disposed by waste-to-energy incineration
- $(I/(R+L)) \times 100$  (percent) - Incineration Rate
- PDC (dollars) - Potential cost if all non-hazardous solid waste were landfilled or incinerated
- ADC (dollars) - Actual cost of integrated solid waste management (includes recycling cost, composting cost, hauling, covering, and any other direct/indirect cost)
- PDC-ADC (dollars) - Cost avoidance due to integrated solid waste management
- $R_C$  (tons) - Amount of non-hazardous solid waste attributable to construction and demolition diverted
- $L_C$  (tons) - Amount of non-hazardous solid waste attributable to construction or demolition debris sent to disposal facilities

5. Reports in Microsoft Excel format are due on the last day of the month following the end of the quarter. Please refer to the schedule below:

<u>Quarterly Report</u>	<u>Due Date</u>
Oct - Dec	*31 Jan
Jan - Mar	30 Apr
Apr - Jun	31 Jul
Jul - Sep	31 Oct

\* FY99 first quarter data is not required. First report is due 30 Apr 99 and should include all first quarter data.